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(54) DISCHARGE LAMP LIGHTING DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a discharge lamp lighting device for suppressing the light emission of a lamp tube during preheating due to leakage current between filaments arranged close to each other.

SOLUTION: This device has a frequency conversion means 1 for converting power fed from an A.C. power source V1 into a high-frequency wave, a main resonant circuit Z1 comprising an inductor L1 and a capacitor C1, and a discharge lamp La connected parallel with the capacitor C1 and having at least two filament X1, X2 close to each other. Frequency during preheating the filaments of the discharge lamp La is set lower than the no-load resonant frequency of the main resonant circuit Z1. In this case, the preheating at a frequency of a fraction of an odd number of the no-load resonant frequency of the main resonant circuit or a frequency close to the frequency is avoided.

